

Minimalist scale, unequaled performance that delivers

CHOPSTICK SUSPENDED LED PoE



SEMI-INDIRECT, MESOOPTICS LENS
CRI >80 3000K, 2400 lm/4ft

Project:

Spec Type:

Catalog No: 7505PCGxN

Qty

Line Notes:

Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring	Voltage	Driver	Finish
<input type="text" value="7505"/>	<input type="text" value="P"/>	<input type="text" value="C"/>	<input type="text" value="G"/>	<input type="text" value="Q"/>	<input type="text" value="N"/>	<input type="text" value="04 4'"/>	<input type="text" value="7 1 cct w/ Dimming"/>	<input type="text" value="N Not applicable (Class 2)"/>	<input type="text" value="E Standard"/>	<input type="text" value="W Standard White"/>
Chopstick Susp Semi-Indirect	P LED PoE	A 4000K B 3500K C 3000K	G 2400 lm/4ft	Q MesoOptics Lens	N None	04 4' 08 8' XX Total run length (4' increments)	7 1 cct w/ Dimming	N Not applicable (Class 2)	E Standard	W Standard White

* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

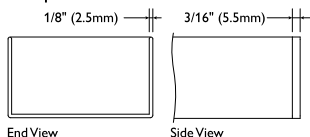
Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

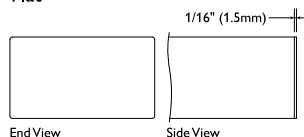
Integrated Controls Please indicate with check mark.

☐ Philips Actilume Daylight and Occupancy Sensor (DO)

Sculpted



Flat

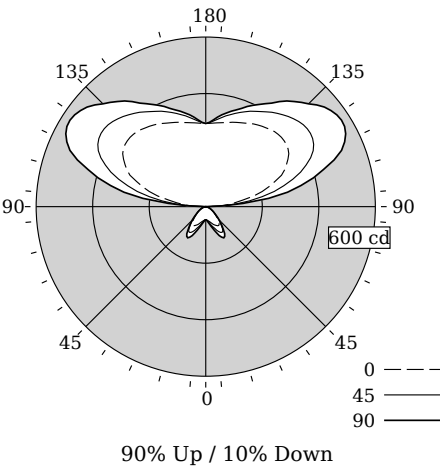


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Photometry



Total Output	2350 lm
Efficacy	105.9 lm/W
CCT	3031K
CRI	82
R9	8
Distribution	90% Up / 10% Down
Peak/Zenith Ratio	1.94
Peak Output	569 cd @ 123°
Meets RP-1-04 recommendations for VDT-Intensive spaces	

Values per 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08

Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	46	46	46	46	46	0
5	48	48	49	49	50	5
15	56	57	65	67	71	18
25	71	76	92	103	113	42
35	81	90	106	116	117	62
45	58	64	65	70	68	51
55	35	37	35	36	35	32
65	19	20	19	19	18	19
75	8	8	7	7	6	8
85	2	1	1	1	0	1
90	0	0	0	0	0	0
95	77	70	106	108	133	106
105	207	213	286	343	395	300
115	308	327	410	489	542	406
125	356	383	452	528	566	407
135	362	391	440	496	514	342
145	347	375	408	441	454	255
155	326	350	373	389	396	171
165	308	321	337	349	350	95
175	297	299	304	308	308	29
180	294	294	294	294	294	0

Coefficients of Utilization (%)

RCR	Ceiling Wall:	80					70					50					0
		70	50	30	10	0	70	50	30	10	0	50	30	10	0	0	0
0		98	98	98	98	85	85	85	85	61	61	61	61	61	61	10	0
1		89	85	81	78	77	74	71	64	52	50	47	44	42	35	9	0
2		81	74	69	64	70	65	60	47	44	42	37	33	30	25	8	0
3		74	65	58	53	64	57	51	41	38	35	33	28	25	22	6	0
4		67	57	50	45	58	50	44	37	33	30	30	25	22	19	4	0
5		62	51	43	38	53	45	38	33	28	25	28	22	19	16	3	0
6		57	45	38	32	49	40	33	29	25	22	24	19	16	13	3	0
7		52	41	33	28	45	36	29	26	22	19	24	19	16	13	3	0
8		48	37	29	25	42	32	26	24	19	16	24	19	16	13	3	0
9		45	33	26	22	39	29	23	21	17	14	21	17	14	13	3	0
10		41	30	23	19	36	27	21	20	16	13	20	16	13	13	3	0

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1631	1657	1652
65	1216	1209	1131
75	878	716	635
85	480	274	69

Electrical Specifications

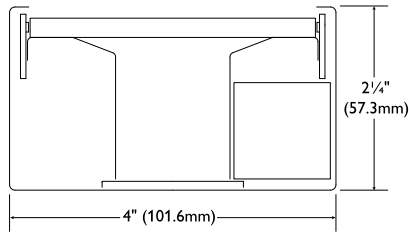
Input Voltage	PoE (51-54VDC)
Input Power	22.2W
Tested values – contact technical support for rated values. Standby power <0.9W	

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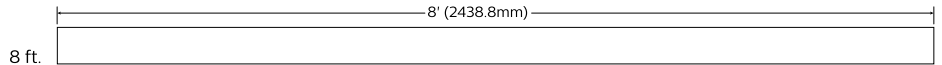
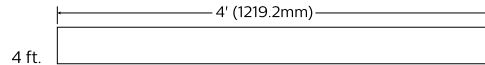
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Options and Details



Modules

Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

Optics & Styles

Housing

Precision formed 20 gauge cold-rolled steel.

Weight

Maximum 3.0lb/ft.

Optical System

A low-profile light guide panel is edge lit by an LED array. The light guide couples and transmits the light via total internal reflection, then the etched surface of the panel optimizes the light extraction to create a semi-indirect distribution. Light is purified and controlled by MesoOptics film as it passes through the nonglare acrylic lens.

Driver

Philips PoE Lighting Controller.

Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is L₈₀ (12k) 70,000 hrs.

Mounting

tamper-resistant aircraft cable grippers provide infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Endcaps

Diecast aluminum endcaps, available in flat (standard) or edge sculpted.

Electrical

Integrated CAT5e cable allows for upto 24" drop between Luminaire and Canopy. Mounting canopy provides RJ45 connection point for PoE network.

Approvals

Certified to UL, CSA and IES standards.

Finish

High quality powder coated, available in matte white.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.



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www.philips.com/luminaires

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